

## DataSheet

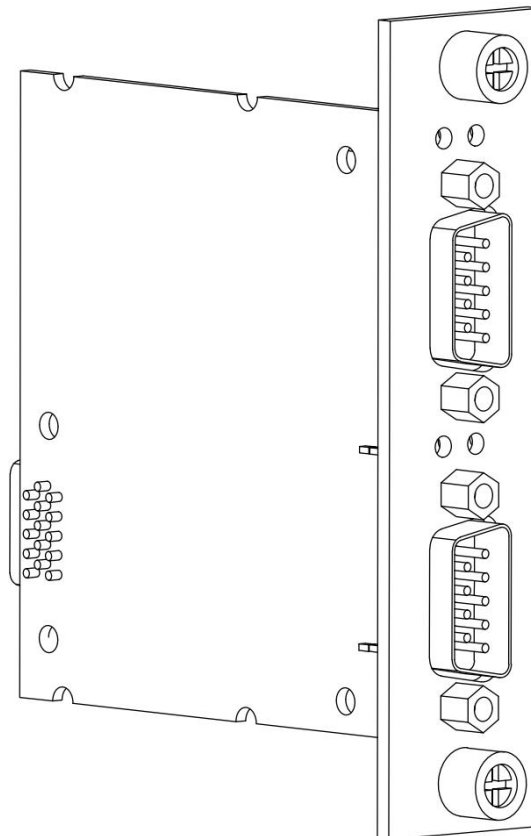
# MT-E794

## 2-Port, High-Speed CAN Module

This document contains the specifications for MT-E794. Specifications are typical at 25°C unless otherwise noted.



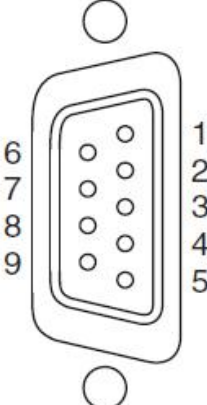
**Caution** Using the MT-E794 in a manner not described in this document may impair the protection the MT-E794 provides.



# MT-E794 Connectivity

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Pin assignments for CAN0 and CAN1.

Connector	Pin	Signal
	1	NC
	2	CAN_L
	3	COM
	4	NC
	5	SHLD
	6	COM
	7	CAN_H
	8	NC
	9	NC

## MT-E794 Hardware Overview

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The MT-E794 has two 9-pin male D-Sub connectors that provide connections to a CAN bus. Each port on the MT-E794 has pins for CAN\_H and CAN\_L, to which you connect the CAN bus signals.

These signals should be connected using twisted-pair cable.

## MT-E794 Specifications

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The following specifications are typical for the range -40 °C to 70 °C unless otherwise noted.

Maximum baud rate	1 Mbps
CAN_H, CAN_L bus lines voltage	-27 to +40 VDC

## Power Requirements

Power consumption from chassis	625 mW max
Thermal dissipation (at 70 °C)	1 W max

# Safety Voltages

Connect only voltages that are within the following limits:

Port-to-COM	-27 to +40 VDC max, Measurement Category I
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## Isolation Voltages

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### Port-to-earth ground

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Continuous	60 VDC, Measurement Category I up to 5,000 m in altitude
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Withstand up to 2,000 m	1000 Vrms, verified by a 5 s dielectric with stand test
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Withstand up to 5,000 m	500 Vrms, verified by a 5 s dielectric with stand test
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Measurement Category I is for measurements performed on circuits not directly connected to the electrical distribution system referred to as MAINS voltage. MAINS is a hazardous live electrical supply system that powers equipment. This category is for measurements of voltages from specially protected secondary circuits. Such voltage measurements include signal levels, special equipment, limited-energy parts of equipment, circuits powered by regulated low-voltage sources, and electronics.

## CE Compliance

This product meets the essential requirements of applicable European Directives, as follows:

- 2014/35/EU; Low-Voltage Directive (safety)
- 2014/30/EU; Electromagnetic Compatibility Directive (EMC)
- 2014/34/EU; Potentially Explosive Atmospheres (ATEX)

## Shock and Vibration

To meet these specifications, you must panel mount the system.

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### Operating vibration

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Random (IEC 60068-2-64)	5 g <sub>rms</sub> , 10 Hz to 500 Hz
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Sinusoidal (IEC 60068-2-6)	5 g, 10 Hz to 500 Hz
Operating shock (IEC 60068-2-27)	30 g, 11 ms half sine; 50 g, 3 ms half sine; 18 shocks at 6 orientations

## Environmental

Refer to the manual for the chassis you are using for more information about meeting these specifications.

Operating temperature	-40 °C to 70 °C (IEC 60068-2-1, IEC 60068-2-2)
Storage temperature	-40 °C to 85 °C (IEC 60068-2-1, IEC 60068-2-2)
Ingress protection	IP40
Operating humidity (IEC 60068-2-78)	10% RH to 90% RH, noncondensing Storage
humidity (IEC 60068-2-78)	5% RH to 95% RH, noncondensing Pollution
Degree	2
Maximum altitude	5,000 m

Indoor use only.

# Support

MT-RIO上手指南：

<http://server.mangotree.cn:9900/WebFile/Downloads/上手指南/MT-RIO/>



RIO上手指南

MT-RIO视频教程：

<http://server.mangotree.cn:9900/WebFile/Downloads/视频教程/MT-RIO/>



RIO视频教程

MT-Master上手指南：

<http://server.mangotree.cn:9900/WebFile/Downloads/上手指南/MT-Master/>



Master上手指南

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Master视频教程

Dimensions:(mm)

